Non-essential Amino Acids (100x)

840100

Volume: 100 ml

Storage: +2°C to +8°C

Sterility: Sterile-filtered

MEM Non-Essential Amino Acids (100x) is a sterile supplement designed to enhance cell growth and viability in mammalian cell culture systems. The formulation corresponds to a 100x concentrate of the non-essential amino acids found in standard Minimum Essential Medium (MEM), allowing for direct supplementation of basal media with minimal preparation.

Application and Benefits

This supplement provides an additional amino acid pool for rapidly proliferating cells or for cell lines that have lost the capacity to synthesize non-essential amino acids de novo. By alleviating the metabolic burden of biosynthesis, it supports improved growth kinetics, prolonged viability, and greater experimental consistency—especially in nutrient-sensitive or high-density cultures.

Composition and Use

The solution includes glycine, L-alanine, L-asparagine, L-aspartic acid, L-glutamic acid, L-proline, and L-serine. It is compatible with MEM and most other standard media. To use, dilute 1:100 into the final culture medium. This product is sterile-filtered and ready to use without additional handling steps.

For research use only. Not for use in diagnostic or therapeutic procedures. Not for use in humans or animals.

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